

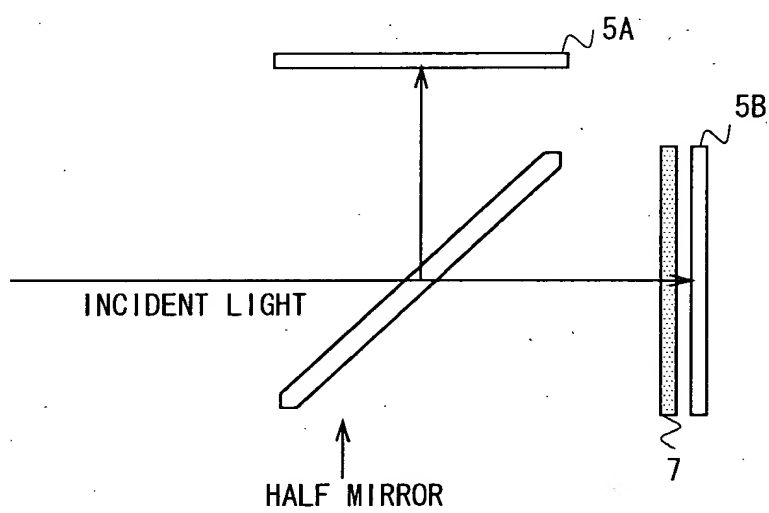
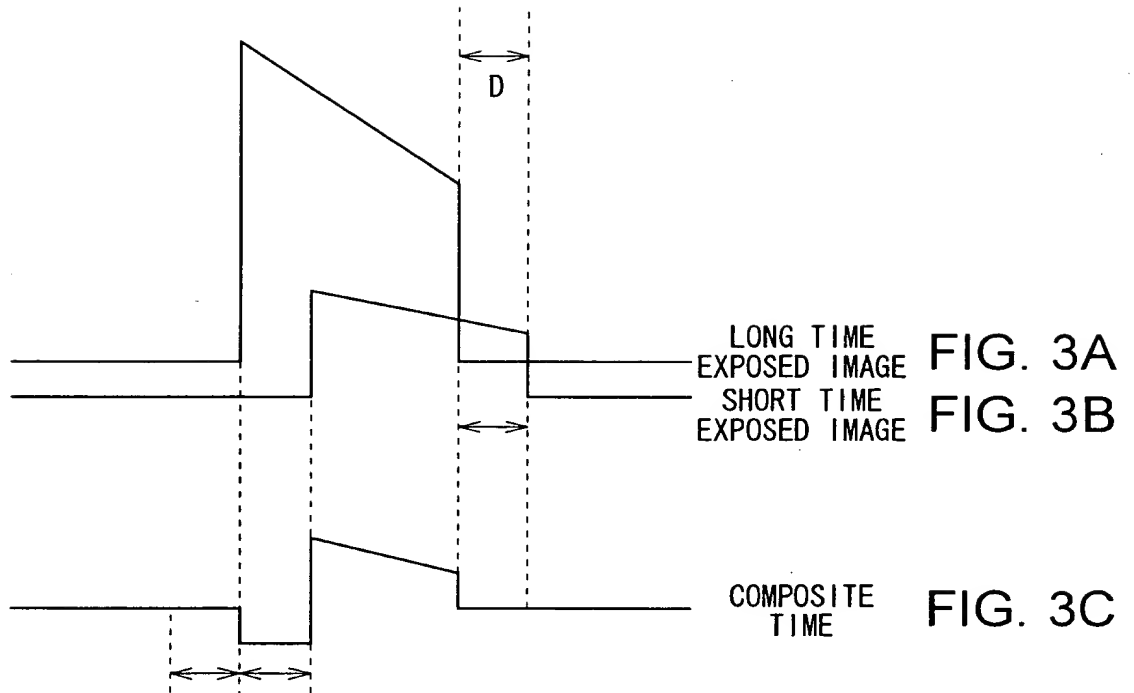
[illegible]

FIG. 2 (RELATED ART)

09580166 " 053000



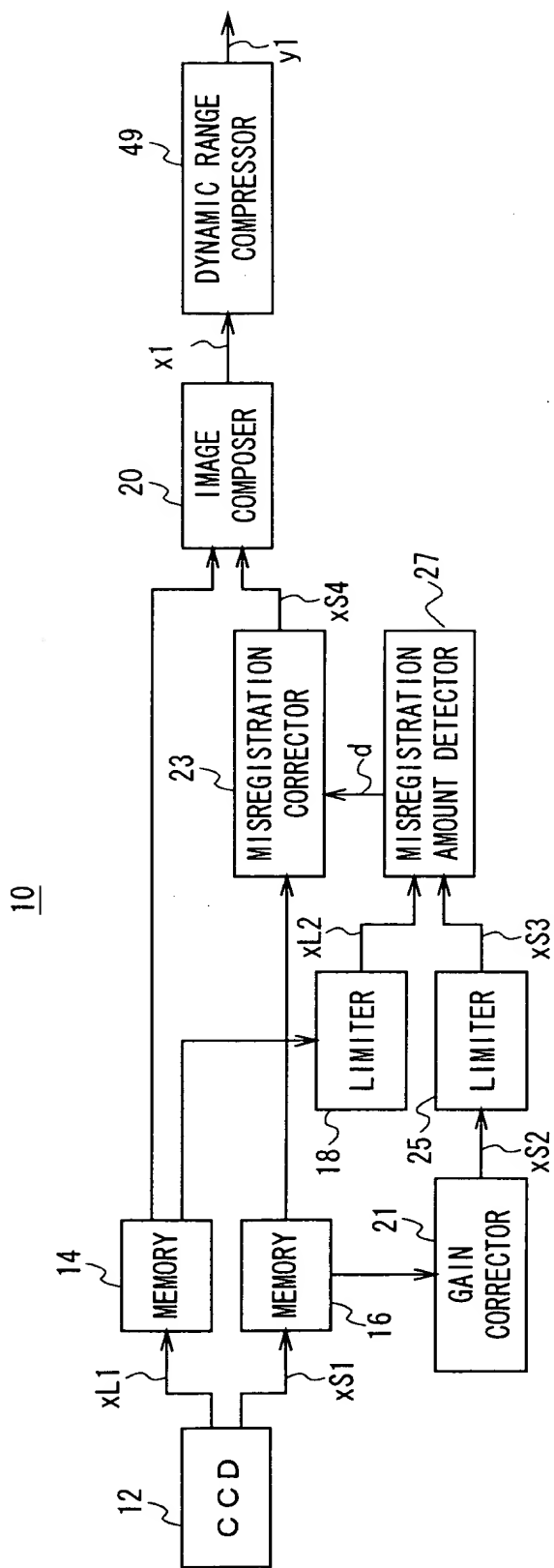


FIG. 4

09580456-053000

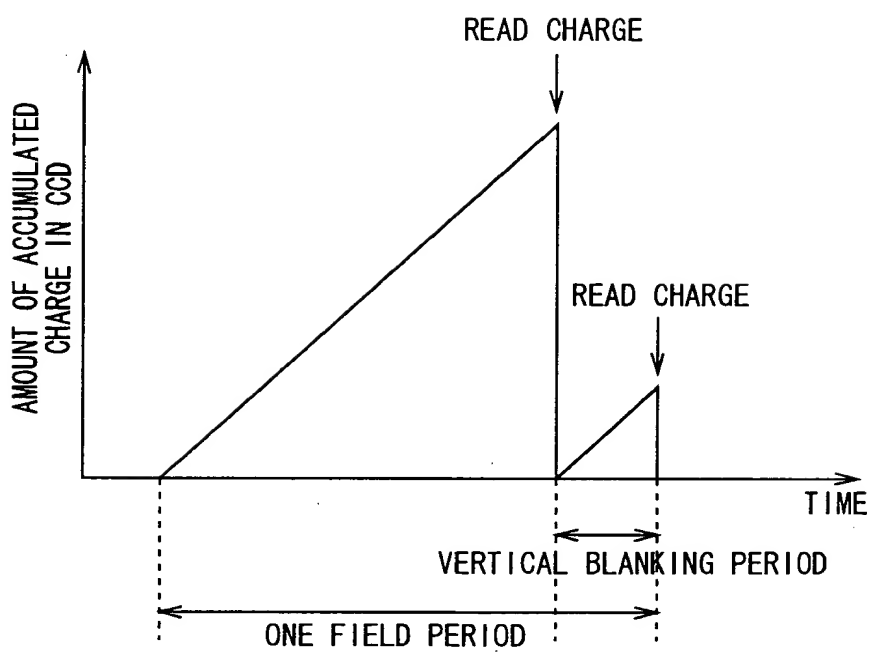


FIG. 5

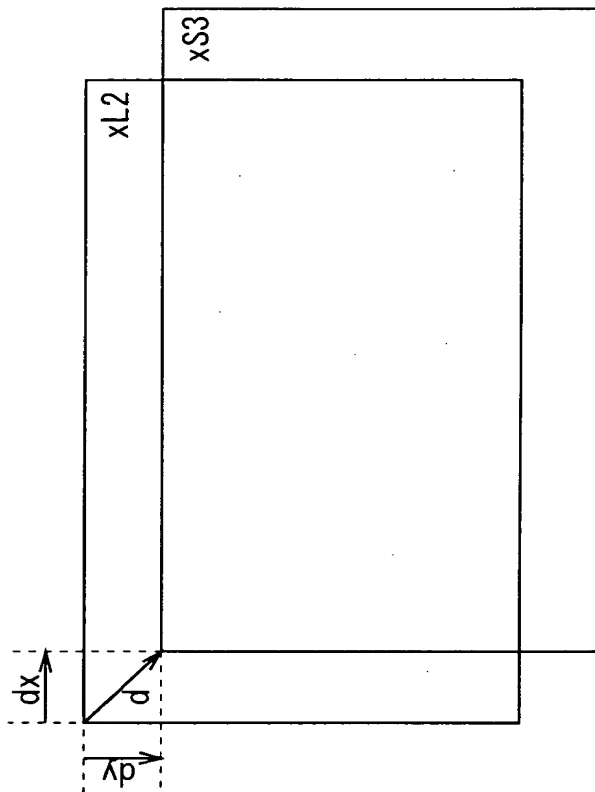


FIG. 6

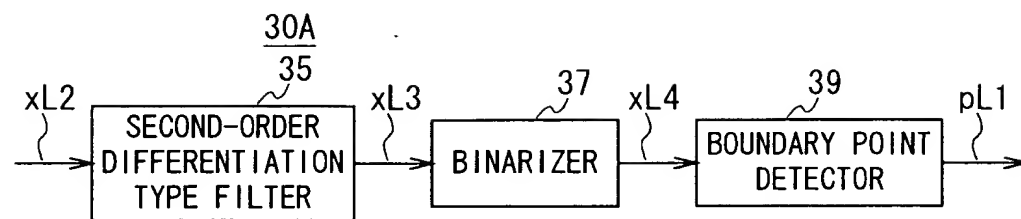


FIG. 8

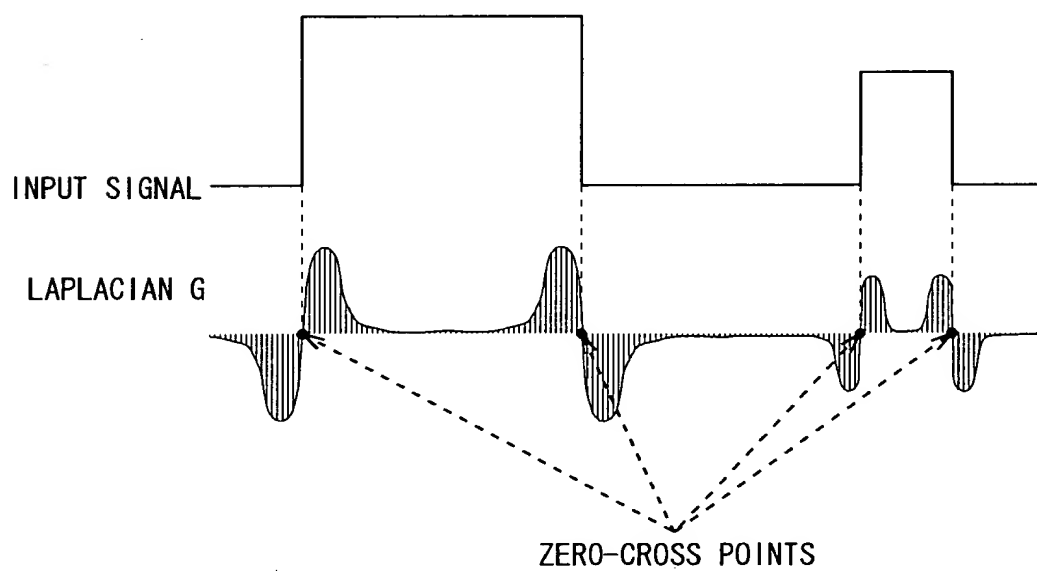


FIG. 9

00050" 99T08560

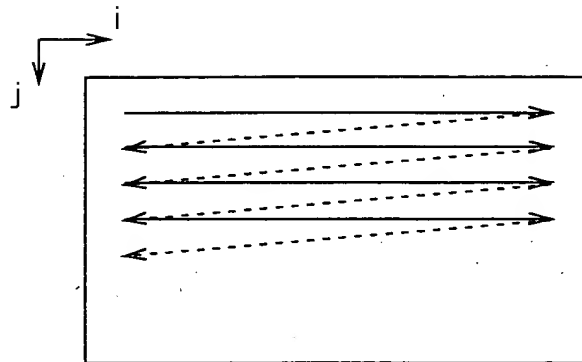


FIG. 10

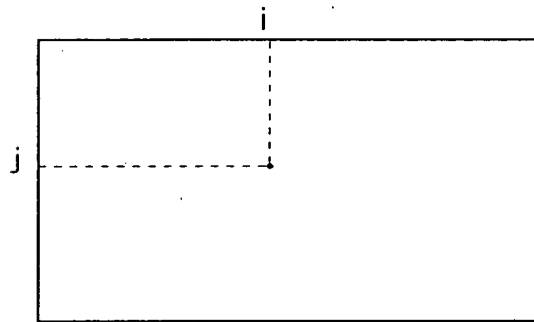


FIG. 11A

FEATURE POINT IMAGE pL1

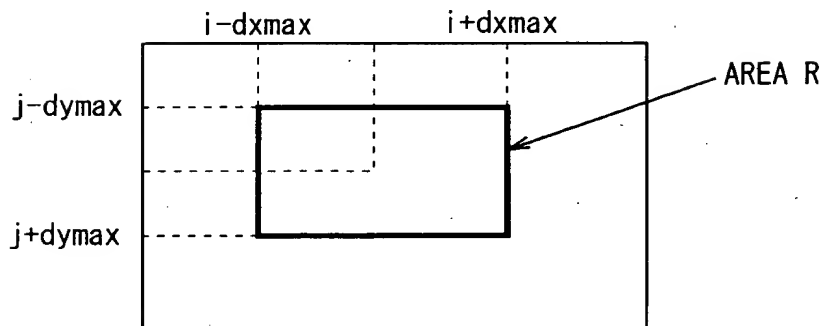


FIG. 11B

FEATURE POINT IMAGE pS1

A graph showing the relationship between the output signal level and the amount of incident light. The vertical axis is labeled "OUTPUT SIGNAL LEVEL" and the horizontal axis is labeled "AMOUNT OF INCIDENT LIGHT". Two lines originate from the origin (0,0). The upper line is labeled "LONG TIME EXPOSED IMAGE" and the lower line is labeled "SHORT TIME EXPOSED IMAGE". The upper line has a steeper slope and reaches a horizontal plateau at a signal level labeled T_{UP} , which is also labeled "SATURATION LEVEL". A vertical dashed line extends from the point where the upper line begins to plateau down to the horizontal axis, where it is labeled T_H . The slope of the initial linear portion of the upper line is indicated by an arrow and labeled g .

FIG. 12

00050" 99108560

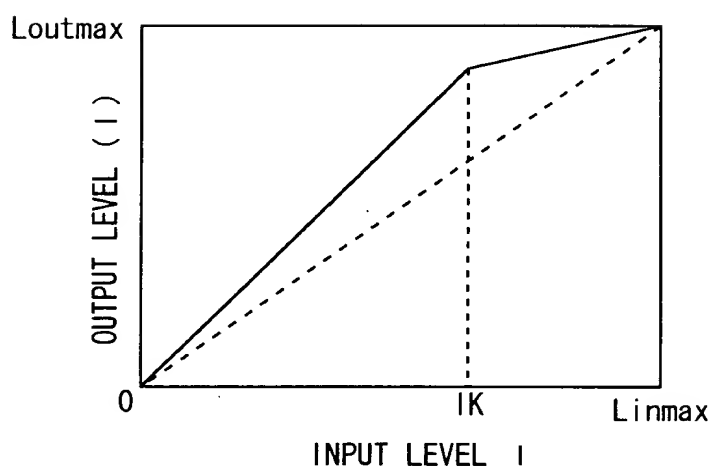


FIG. 13

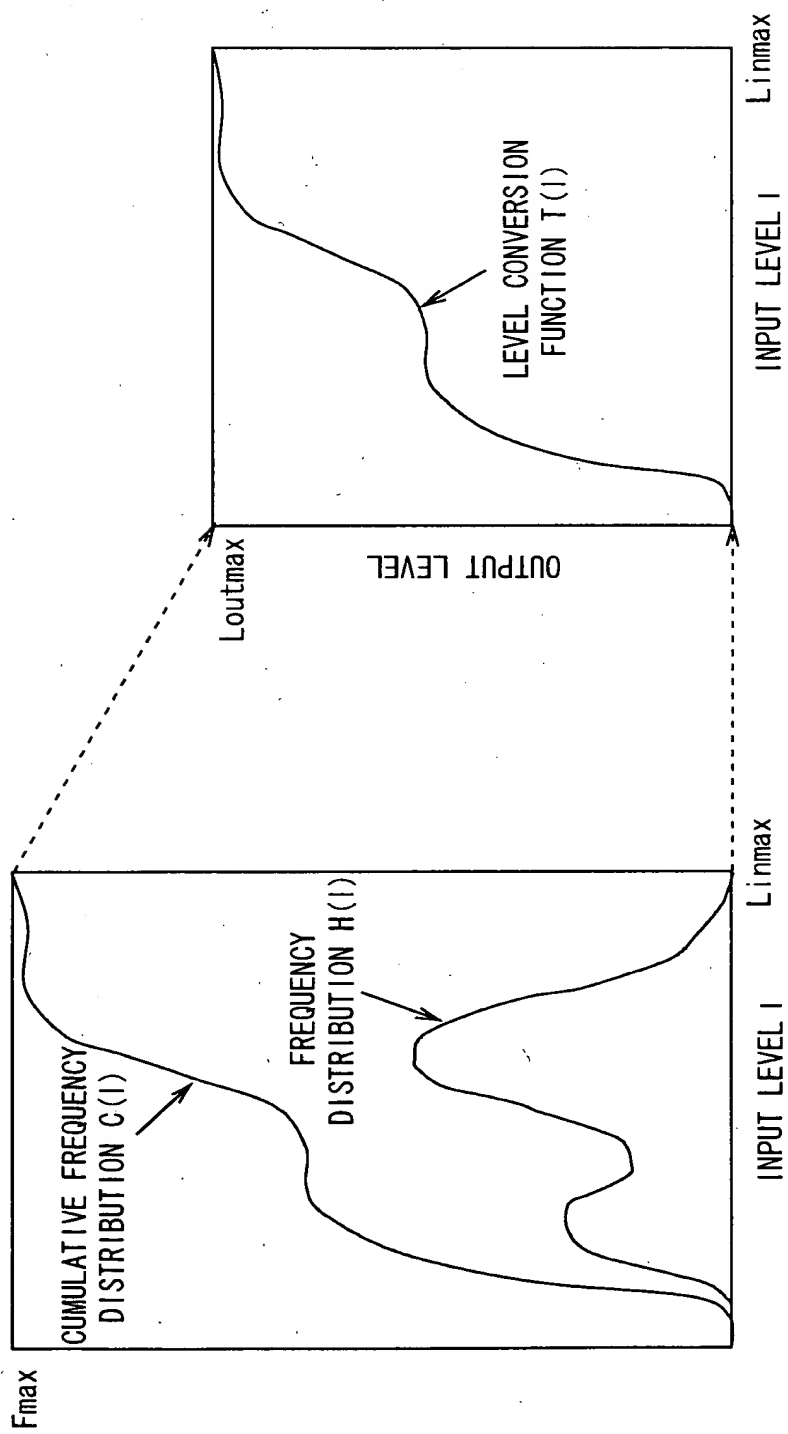


FIG. 14

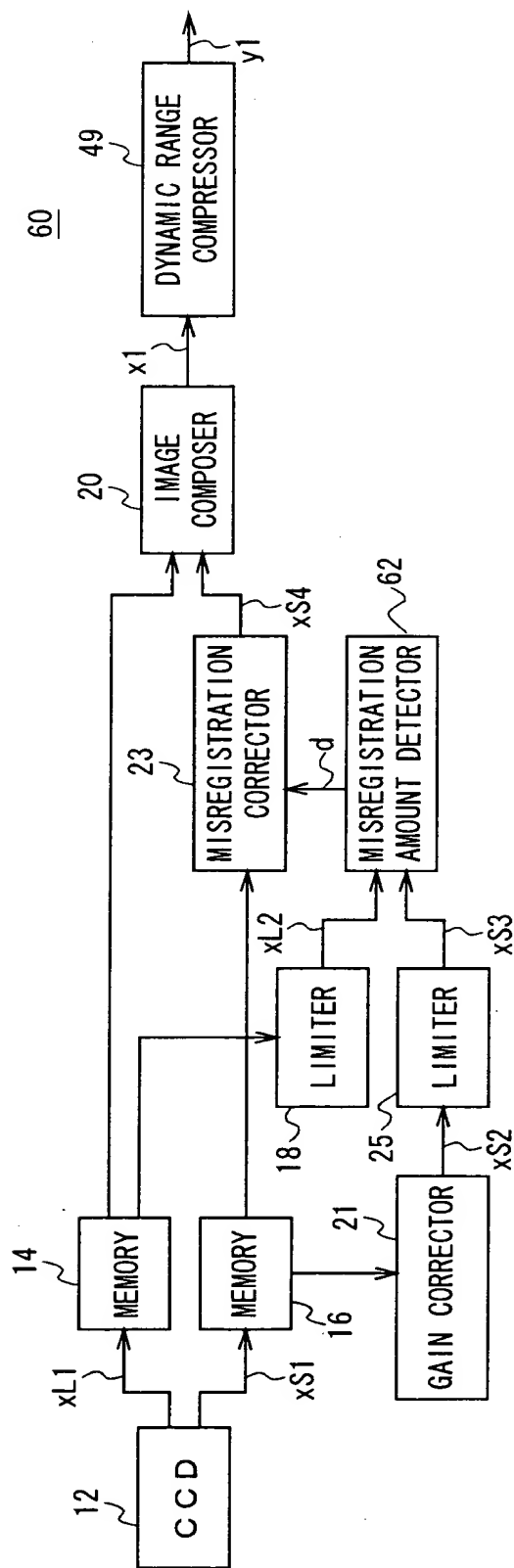


FIG. 15

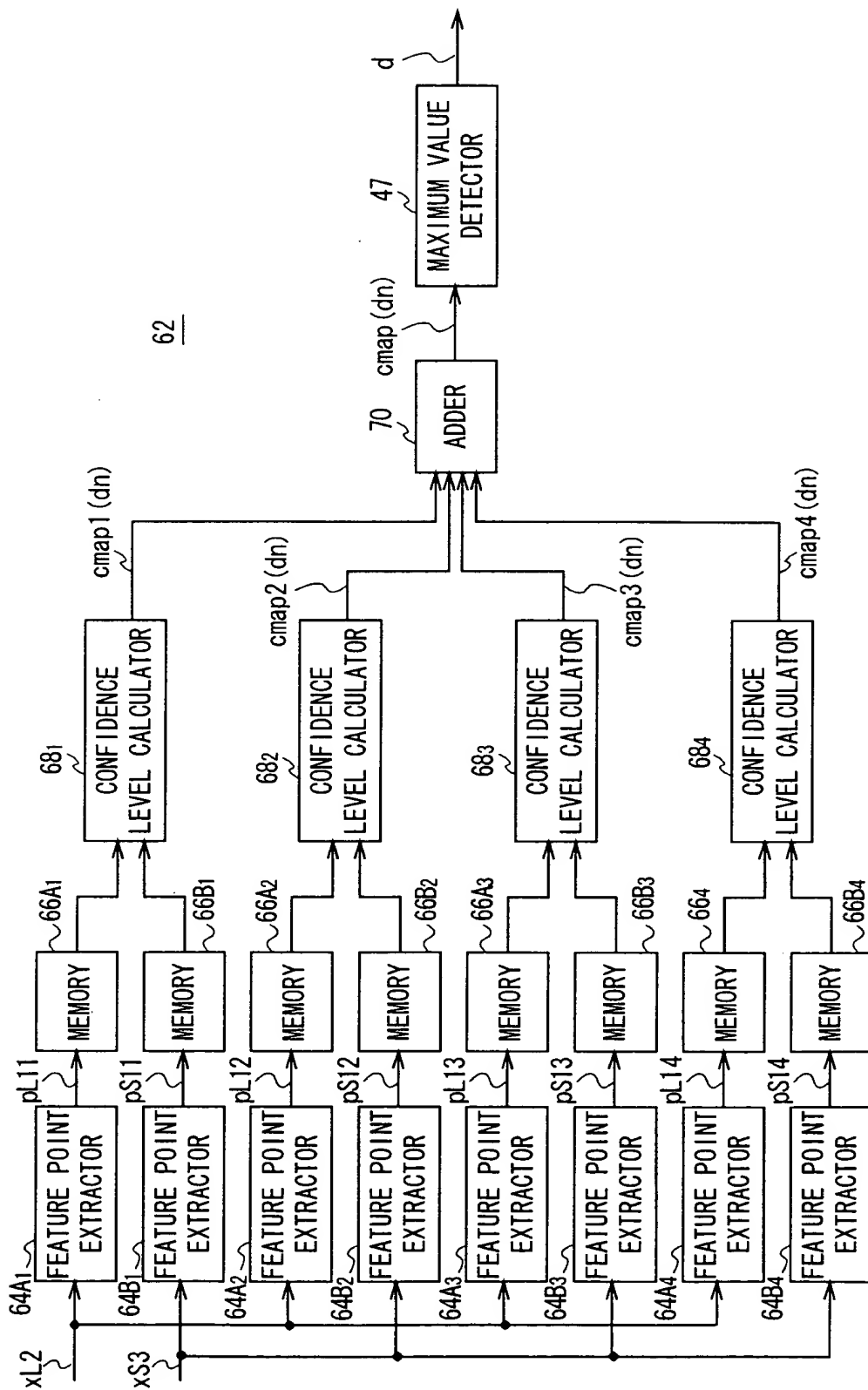


FIG. 16

	$x(i+1, j) \geq 0$ AND $x(i-1, j) < 0$	$x(i-1, j) \geq 0$ AND $x(i+1, j) < 0$
$x(i, j+1) \geq 0$ AND $x(i, j-1) < 0$	FEATURE POINT p1	FEATURE POINT p2
$x(i, j-1) \geq 0$ AND $x(i, j+1) < 0$	FEATURE POINT p3	FEATURE POINT p4

FIG. 17

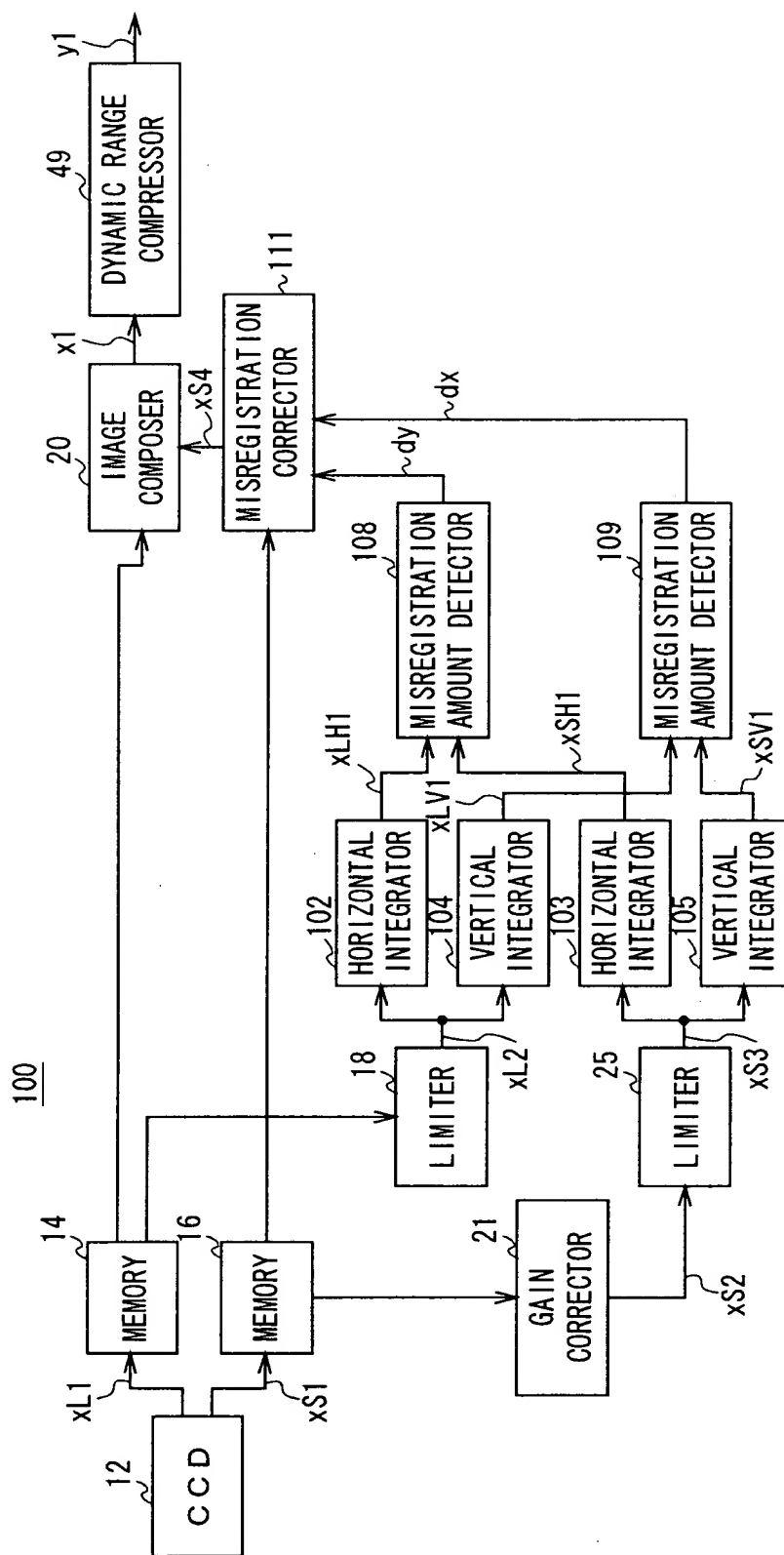


FIG. 18

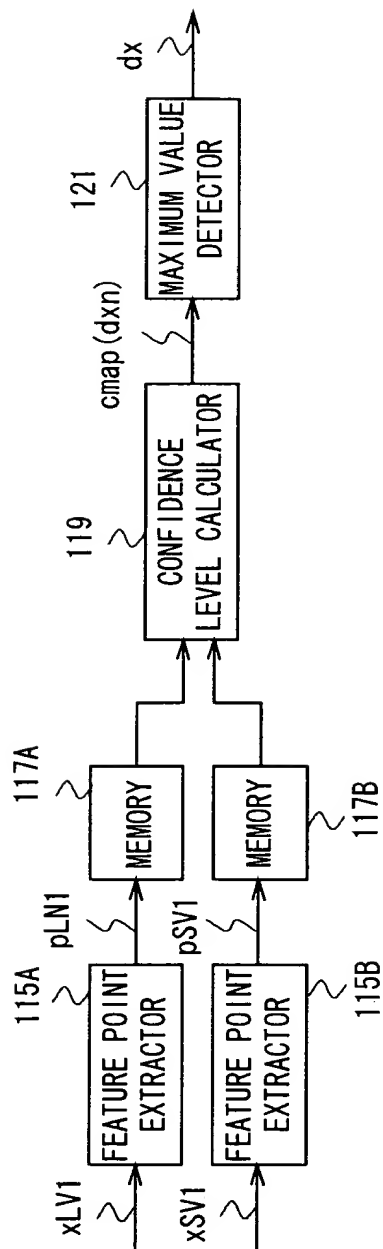


FIG. 19

REGION R



FEATURE POINT ARRAY pLV1

FIG. 20A

FEATURE POINT ARRAY pSV1

FIG. 20B

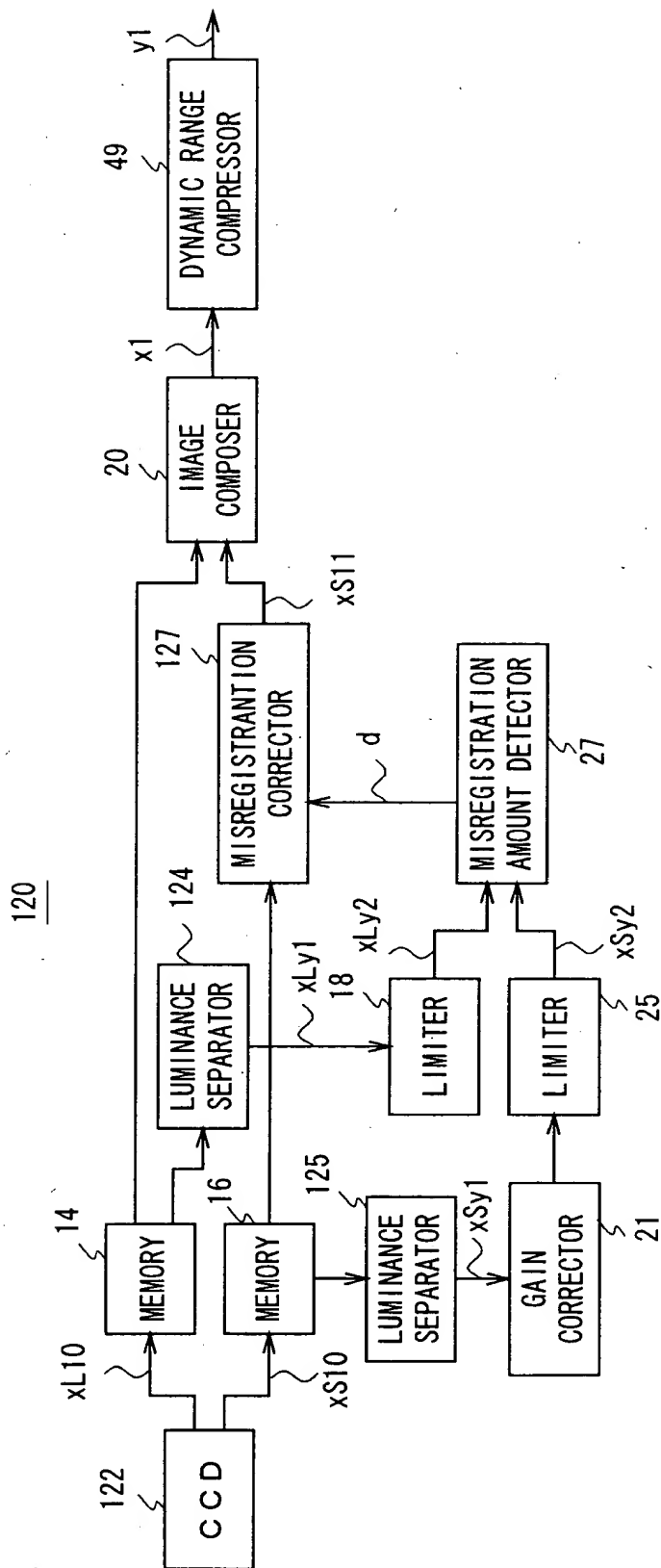


FIG. 21

Ye	Cy	Ye	Cy
Mg	G	Mg	G
Ye	Cy	Ye	Cy
G	Mg	G	Mg

G:Green
Ye:Yellow
Cy:Cyan
Mg:Magenta

FIG. 22

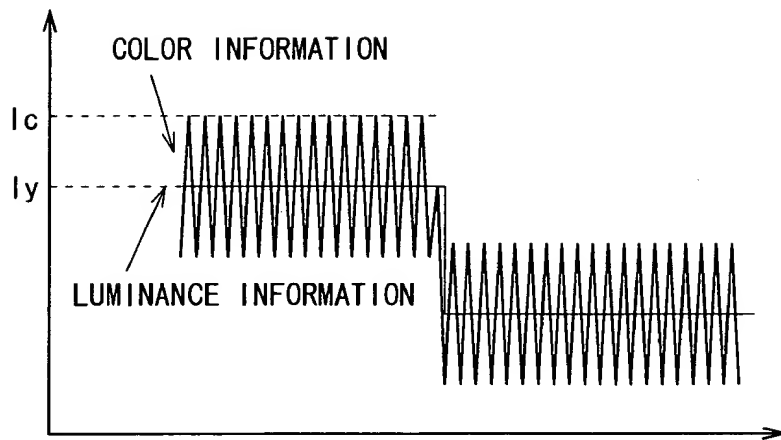


FIG. 23

00050" 99T08560

Ye	Cy	Ye	Cy
Mg	G	Mg	G
Ye	Cy	Ye	Cy
G	Mg	G	Mg

LONG TIME EXPOSED IMAGE xL

FIG. 24A

Ye	Cy	Ye	Cy
Mg	G	Mg	G
Ye	Cy	Ye	Cy
G	Mg	G	Mg

SHORT TIME EXPOSED IMAGE xS

FIG. 24B

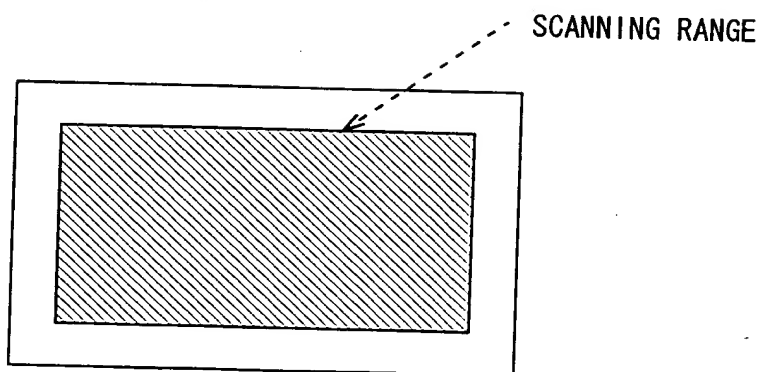


FIG. 25

200

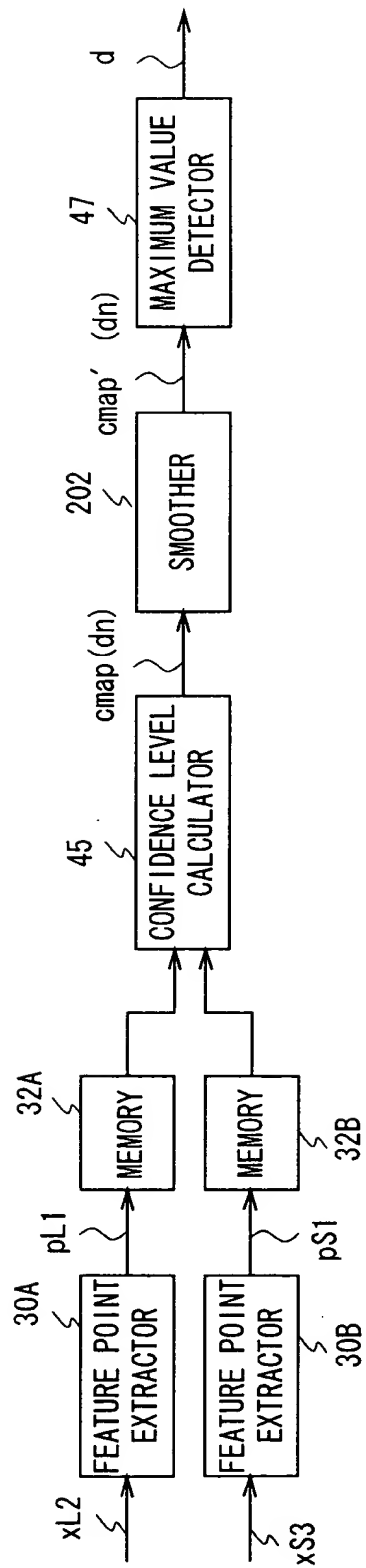


FIG. 26

09580166-053000

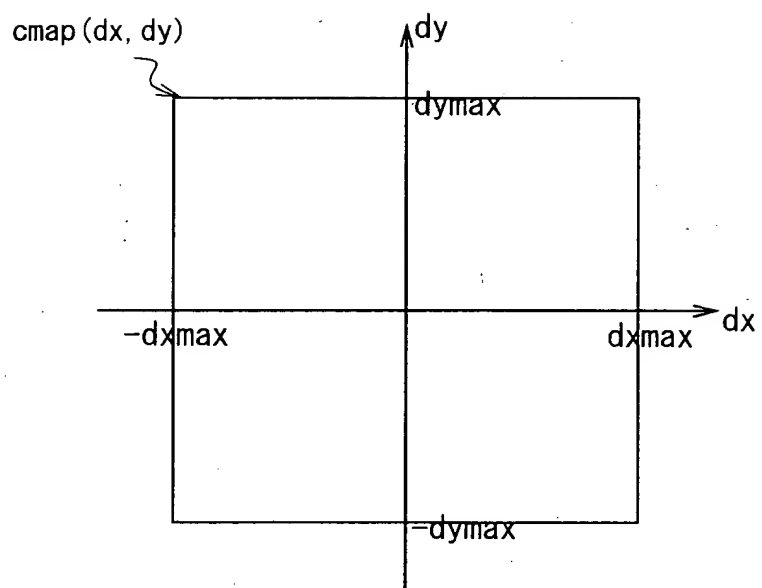


FIG. 27

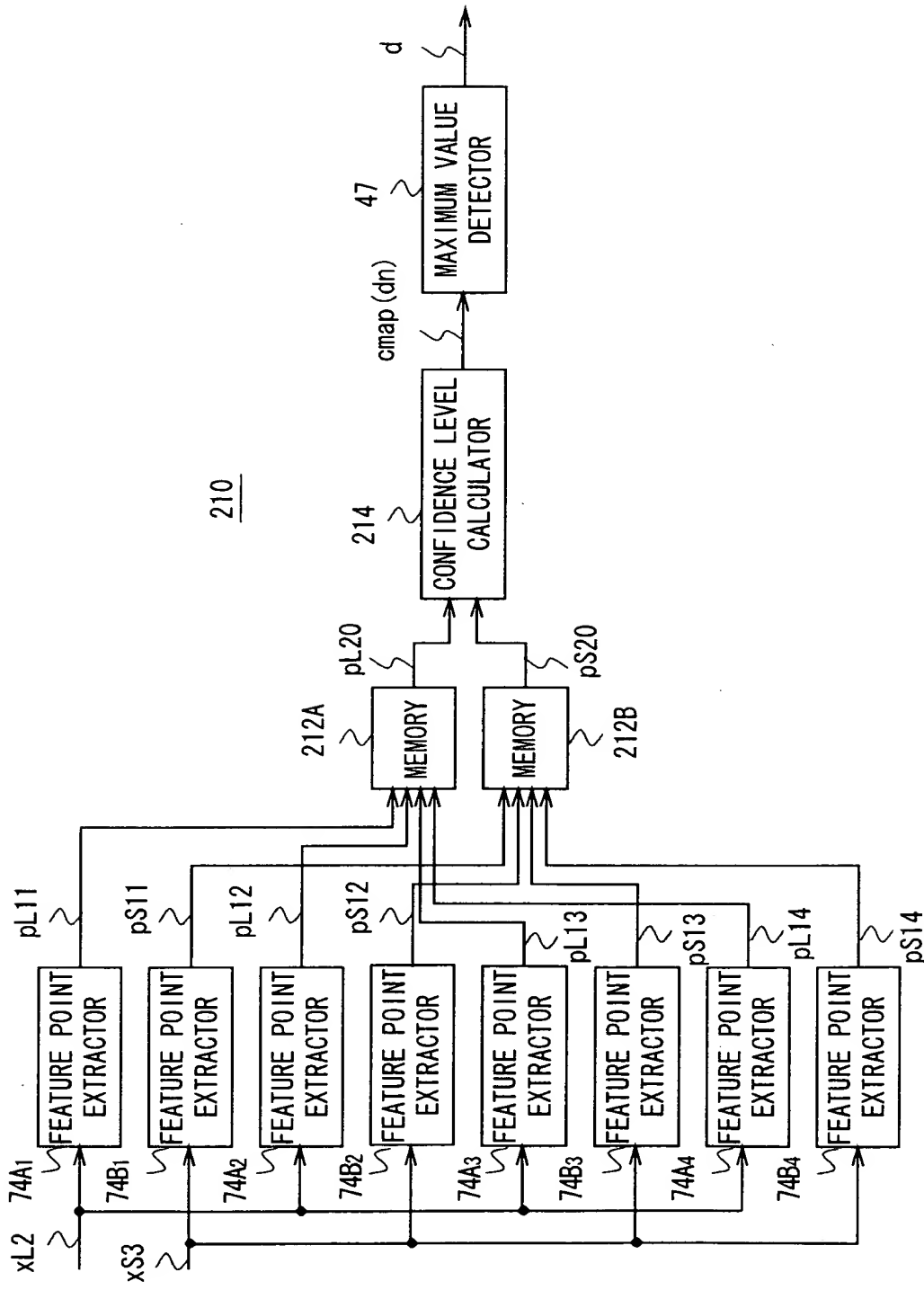


FIG. 29